

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date  
13 January 2005 (13.01.2005)

PCT

(10) International Publication Number  
WO 2005/002786 A1

(51) International Patent Classification<sup>7</sup>: B23Q 1/54, 1/01

(21) International Application Number:

PCT/IB2004/002177

(22) International Filing Date: 30 June 2004 (30.06.2004)

(25) Filing Language: Italian

(26) Publication Language: English

(30) Priority Data:  
TO2003A000502 1 July 2003 (01.07.2003) IT

(71) Applicant (for all designated States except US): O.M.V. OFFICINE MECCANICHE VENETE S.R.L. [IT/IT]; Via Caltana, 167, Frazione Caselle, I-30036 S. Maria di Sala (IT).

(72) Inventor; and

(75) Inventor/Applicant (for US only): PASQUETTO, Franco [IT/IT]; Via Vivaldi, 11, I-35010 Cadoneghe (IT).

(74) Agents: JORIO, Paolo et al.; Studio Torta S.r.l., Via Viotti, 9, I-10121 Torino (IT).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

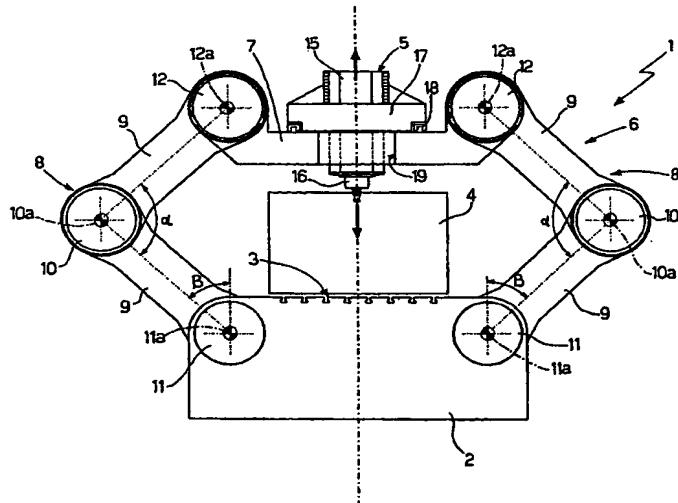
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

[Continued on next page]

(54) Title: A NUMERIC/CONTROL MACHINE



WO 2005/002786 A1

(57) Abstract: Described herein is a numeric-control machine (1) comprising: a flatbed (2) provided with a horizontal working surface (3), on which a workpiece (4) is to be positioned; a machining head (5), which is able to move positioned; a machining head (5) which is able to move in space above the working surface (3), and a supporting structure (6), which is designed to support and displace the machining head (5) in space above the working surface (3), the supporting structure (6) consisting of: a floating platform (7) mounted so that it can move above the working surface (3), a series of articulated supporting arms (8) designed to support the floating platform (7) above the working surface (3) on opposite sides of the platform itself, and members for moving (13, 14) capable of displacing upon command and independently the articulated arms (8), each articulated arm (8) being designed to connect the flatbed (2) of the machine with the overlying floating platform (7).



*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*